Appln No. 09/650,275 Amdt date April 26, 2004 Reply to Office action of October 27, 2003

REMARKS/ARGUMENTS

The non-compliance in Claim 1 of the previously-submitted amendment has been corrected. As such, entry of the amendment in the above identified patent application and reconsideration and reexamination are hereby requested.

Claims 1 - 8 and 14 - 27 are now in the application Claims 1, 5, 6, 8, 14, 16, 17, 18, 22, 23, 25 and 27 have been amended.

The Examiner has rejected Claims 1 - 4, 6 - 7, 14 - 21 and 23 - 24 under 35 U.S.C. §103 as being unpatentable over Joarda et al. in view of Miyata.

Applicant's amended Claims 1 and 18 call for The (underlining added for emphasis) ... an elongate region extending around a major portion of the periphery of the substrate and having a gap between ends of the elongate region along a minor portion of the periphery, the elongate region being electrically isolated from the remainder of the substrate except at the gap; and ... a passive conductive seal ring extending around the entire periphery of the die in direct contact with the die along said elongate region and in diret contact with the substrate at the gap.

The Applicant's amended Claim 14 calls for (underlining added for emphasis) ... an elongate well region of a second conductivity type opposite from the first conductivity type extending around a major portion of the periphery of the substrate and having a gap between the ends of the elongate region along a minor portion of the periphery, the elongate well region being electrically isolated from the remainder of the Appln No. 09/650,275 Amdt date April 26, 2004 Reply to Office action of October 27, 2003

substrate except at the gap; and ... a passive conductive seal ring extending around the entire periphery of the die in direct contact with the die along said elongate well region and in direct contact with said gap.

Accordingly, the Applicant submits that the invention as claimed in Claims 1, 14 and 18 is neither taught, described of suggested in Joardar et al., even in view of Miyata.

While Joardar et al. may provide a circuit die having includes a nois improved substrate noise isolation and isolation ring, the Examiner acknowledges that Joardar et al does not teach a conductive seal ring being in direct contact with the die along the elongate region.

the Examiner indicates that Miyata teaches While conductive seal ring formed in direct contact with a die along an elongate well region so as to form a PN junction diode therein, such seal ring would be an active conductive seal ring, not a passive conductive seal ring, such as a multilayer structure of alternating conducting and insulating layers with vias formed in the insulating layers, as in one embodiment of the present invention.

Further, the Applicant submits that neither Joardar &t a. suggests, alone nor Miyata describes, teaches or combination, the elongate region, or the elongate well region, being electrically isolated from the remainder of the substrate except at the gap and the passive conductive seal ring being in direct contact with the substrate at the gap.

Accordingly, the Applicant submits that Claims 1, 14 and 48 are not unpatentable over Joardar et al. in view of Miyata.

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Claims 2 - 8 are dependent on Claim 1. Claims 15 - 17 are dependent on Claim 14. Claims 19 - 27 are dependent on Claim As such, these claims are believed allowable based upon 18. Claims 1, 14 and 18 respectively.

Accordingly, in view of the above amendment and remarks i is submitted that the claims are patentably distinct over the prior art and that all the rejections to the claims have been Reconsideration and reexamination of the above overcome. Application is requested.

> Respectfully submitted, CHRISTIE, PARKER & HALE, LLP

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